Nafiseh Jahanbakht\* (nafiseh.jahanbakht@uleth.ca). A new class of hyper-energetic graphs. Preliminary report.

Suppose  $\lambda_1, \lambda_2, \dots, \lambda_n$  are the eigenvalues of the adjacency matrix of a graph G. The energy of the graph G, denoted by  $\mathcal{E}(G)$ , is  $\mathcal{E}(G) = \sum_{i=1}^{n} |\lambda_i|$ . A graph with n vertices is called hyperenergetic if its energy is grater than 2n-2. Several classes of graphs have been proved to be hyperenergetic. We found a new class of graphs which are hyperenergetic. (Received September 21, 2010)